

Appl. No. 10/789,210  
Response Dated 07 March 2006  
Reply to Office Action of 07 October 2005

Attorney Docket No. 26.0273 US

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### REMARKS

Claims 1-5 and 7-73 are pending in this application. Claims 19-73 are withdrawn from further consideration pursuant to a restriction requirement. Claims 1, 4, 5, 12, and 14-17 have been amended and claim 6 has been cancelled (shown in the Listing of Claims attached hereto) in order to more particularly and completely claim the present invention. No new matter has been introduced. Reconsideration and allowance of claims 1-5 and 7-18 is hereby requested.

Applicants' Petition to Accept Color Drawings has been granted. The Examiner is respectfully requested to accept the color drawings submitted by applicants for examination.

The Examiner has rejected claims 1-18 under 35 U.S.C. 112, first and second paragraphs. The claims have been amended to address the points noted by the Examiner in the Office Action. The amended claims are believed to conform with the requirements of 35 U.S.C. 112, first and second paragraphs. Therefore, withdrawal of the rejection is requested.

The Examiner has rejected claims 1-13 under 35 U.S.C. 102(b) as being anticipated by Bose et al. (US 6,526,354) and claims 14-18 under 35 U.S.C. 103(a) as being unpatentable over Bose in view of Stark (US 6,708,118). Reconsideration is requested.

Claim 1, as amended, specifies that sonic logging data are displayed by

“projecting the dispersion curve information onto a slowness axis, and displaying the SFA log from the projected dispersion curve information including a first axis corresponding to depth, and a second axis corresponding to wave slowness characteristics.”

The prior art of record does not disclose or suggest displaying an SFA log from projected dispersion curve information versus depth. In this, although Bose does show a display with slowness versus frequency, Bose does not disclose or suggest displaying the information versus depth, as claimed in the instant claim 1. Figure 6B of the instant application depicts one embodiment of a display by projecting dispersion curve information onto the slowness axis. In

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contrast, there is no disclosure or suggestion in Bose that an SFA log be displayed utilizing projected dispersion curve information versus depth.

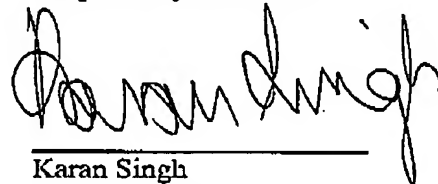
For the reasons discussed above, claim 1, as amended, is not disclosed or suggested by the prior art of record. Accordingly, it is respectfully submitted that the grounds for rejection of claim 1 be withdrawn.

Accordingly, dependent claims 2-5 and 7-18 are not rendered obvious by the cited prior art for at least the same reasons as stated above.

In light of the above remarks, applicants believe that the present application and claims 1-5 and 7-18 are in proper condition for allowance. Such allowance is earnestly requested.

In the event that any additional fees or credits are due owing to this response, the Commissioner is hereby authorized to charge the amount necessary to cover any fee that may be due or to credit any overpayment to Deposit Account 50-1122.

Respectfully submitted,



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